



JPN

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U.S. Patent Application of )  
HANAOKA et al )  
Application Number: 10/600,652 ) Art Unit 2684  
Filed: June 23, 2003 )  
For: CHANNEL ESTIMATION METHOD ) Examiner Gesesse, Tilahun  
FOR A MOBILE COMMUNICATION SYSTEM )  
Attorney Docket No. NITT.0141 )  
Commissioner of Patents )  
P.O. Box 1450 )  
Alexandria, VA 22313-1450 )

**COVER LETTER**

Sir:

[ x ] The fee for submission of claims is calculated as shown below:

FOR	TOTAL WITH NEW CLAIMS ADDED	TOTAL CURRENTLY ON FILE	CLAIMS ALREADY PAID	RATE	CALCULATION
Total Claims	15	19	(Over 20)	x \$50	0
Independent Claims	2	2	(Over 3)	x \$200	0
MULTIPLE DEPENDENT CLAIM(S)				+ \$360	0
REDUCTION FOR FILING BY SMALL ENTITY (note 37 C.F.R. §§ 1.9, 1.27, 1.28). IF APPLICABLE, VERIFIED STATEMENT MUST BE ATTACHED				x ½	
			TOTAL		0

In addition, the below-identified communications are submitted in the above-captioned application or proceeding:

- |   |   |
|---|---|
| <input checked="" type="checkbox"/> Response/Amendment<br>(with Claim Amendments) | <input type="checkbox"/> Petition for Extension of Time ( months) |
| <input type="checkbox"/> Substitute Spec. & marked-up copy                        | <input type="checkbox"/> Terminal Disclaimer                      |
| <input type="checkbox"/> Information Disclosure Statement                         | <input type="checkbox"/> Letter to Draftsperson                   |
| <input type="checkbox"/> Other _____  | <input type="checkbox"/> Assignment                               |
|   | <input type="checkbox"/> RCE                                      |

- Please charge my **Deposit Account Number** \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the fees for  
\_\_\_\_\_. A duplicate copy of this paper is enclosed.
- A check in the amount of \$\_\_\_\_\_ to cover the fee is enclosed.
- The Commissioner is hereby authorized to charge any additional fees associated with this  
communication, or credit any overpayment to **Deposit Account Number 08-1480**.

Respectfully submitted,

Stanley P. Fisher  
Registration Number 24,344

Juan Carlos A. Marquez  
Registration No. 34,072

**REED SMITH LLP**  
3110 Fairview Park Drive  
Suite 1400  
Falls Church, Virginia 22042  
(703) 641-4200  
**June 5, 2006**



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re U.S. Patent Application of )  
HANAOKA et al )  
Application Number: 10/600,652 ) Art Unit 2684  
Filed: June 23, 2003 )  
For: CHANNEL ESTIMATION METHOD ) Examiner Gesesse, Tilahun  
FOR A MOBILE COMMUNICATION SYSTEM )  
Attorney Docket No. NITT.0141 )

**Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**RESPONSE AND AMENDMENT UNDER 37 C.F.R. § 1.111**

Sir:

This is in response to the Office Action mailed on March 7, 2006, the period of response to which is set to expire on June 7, 2006. Please amend the above-referenced application as follows: